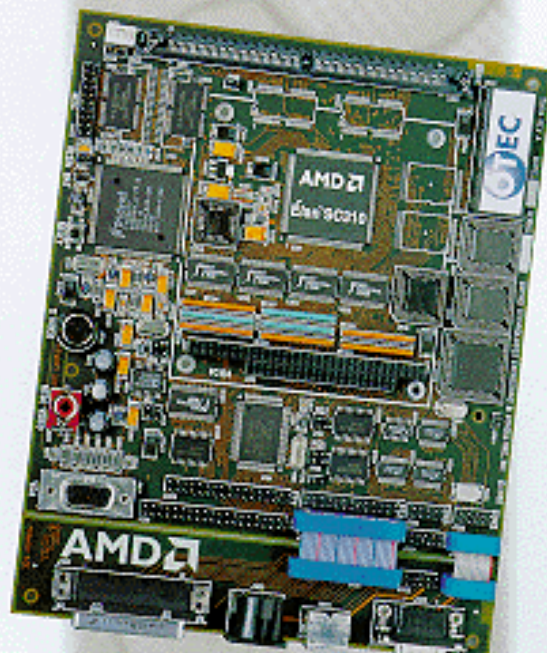




ÉlanSC310[™] Microcontroller Reference Platform



PRODUCT BRIEF

The Élan[®]SC310 Microcontroller Reference Design Platform

The ÉlanSC310 Microcontroller Reference Design is a complete embedded PC platform designed for the IHV/ISV/OEM developer. This reference design platform permits the developer to easily adapt it as his own embedded PC product—this is an evaluation board you can take straight to market.

The ÉlanSC310 Microcontroller Reference Design Platform is packed with peripheral support and powered by the ÉlanSC310 microcontroller. This evaluation and reference design platform contains features designed to ease the development of OEM specific hardware and applications software—use it as is, or adapt the reference design to your own requirements. The PC/AT board is shipped preconfigured with MS-DOS and Windows[®] on board in Flash and is ready to run right out of the box.

BOARD FEATURES

- 33-MHz AMD ÉlanSC310 microcontroller
- Trident TVG-9470 VGA graphics with support for VGA, NTSC/PAL, or S-VHS
- 72-pin SIMM socket for up to 16 Mbytes of DRAM
- Full 16-bit PC/104 interface
- AT keyboard, PS/2 mouse, 3 serial, 2 parallel, floppy and IDE ports
- 2 Mbyte Flash disk running M-Systems TrueFSS (DiskOnChip), or 4 Mbyte TrueFSS Flash Array
- Microsoft[®] MS-DOS 6.22 (compact), and, optional Windows 3.1 (compact)
- EPROM socket for BIOS extensions or XIP apps
- Advanced Power Management (APM) support
- Small form factor: 6 in x 8 in, with breakaway to 6 in x 6 in

PRODUCT DESCRIPTION

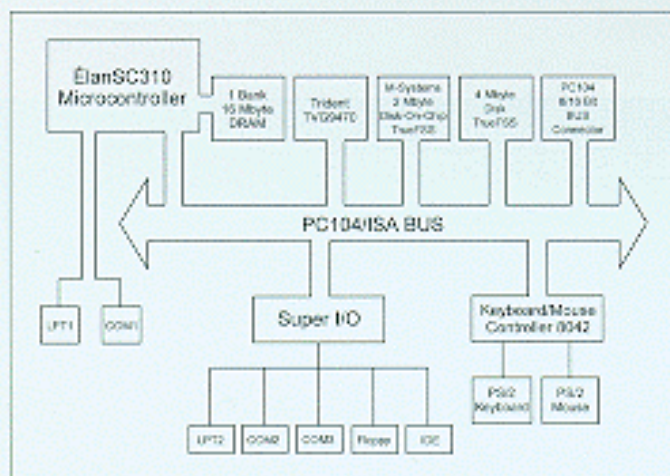
This functional platform comes with a Solid State Flash Disk, a SystemSoft Élan BIOS, a slimmed down version of MS-DOS 6.22, and a minimal implementation of Windows 3.1. The stackable PC104 interface provides additional extendibility and compatibility with a full 16-bit ISA bus interface.

Designers will receive technical and customization support from AnnaSoft for the SystemSoft BIOS, M-systems' True Flash File System, and embedding Microsoft's MS-DOS and Windows. Plus support from Orchid Technologies for the hardware design and customization, and from AMD for the ÉlanSC310 microcontroller and Flash. All are ready to help you take the steps from design to production.

A listing of AMD's FusionE86™ third-party development partners can be found in the FusionE86 Catalog, order #19255. To order this catalog, or any AMD literature, please call our literature ordering hotline at (800)222-9323, or contact your local AMD sales office or AMD sales representative.

Related Literature

ÉlanSC310 Product Brief	#20666
ÉlanSC310 Data Sheet	#20668
ÉlanSC310 Programmer's Reference Manual	#20665
E86™ Family Brochure	#19181
FusionE86 Catalog	#19255



ÉlanSC310 Evaluation and Reference Design Block Diagram



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